



## Procedures and Guidelines

**DIRECTIVE NO.** 500-PG-8700.2.5 Rev A  
**EFFECTIVE DATE:** 06/27/2001  
**EXPIRATION DATE:** 06/27/2006

**APPROVED BY Signature:** Original signed by  
**NAME:** Mitchell R. Brown  
**TITLE:** Assistant Director of AETD

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**Responsible Office:** Greenbelt: 543 / Mechanical Engineering Branch  
Wallops Flight Facility: 500.W / Applied Engineering and Technology  
Directorate / Wallops Flight Facility

**Title:** GSFC Engineering Drawing Standards

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### 1. PURPOSE

The **GSFC Engineering Drawing Standards Manual** is the official source for the requirements and interpretations to be used in the development and presentation of engineering drawings and related documentation for the GSFC.

### 2. REFERENCE

- a. X-673-64-1F, Engineering Drawing Standards Manual

Above document located at Greenbelt Document Web site:

<http://mscweb.gsfc.nasa.gov/543web/files/GSFC-X-673-64-1F.pdf>

- b. 500-WI-8700.2.1, WFF Engineering Drawing Standards

Above document located at GDMS Web site:

[http://msc-docsrv.gsfc.nasa.gov/GDMS\\_docs/pgwi500/500-WI-8700.2.1-.pdf](http://msc-docsrv.gsfc.nasa.gov/GDMS_docs/pgwi500/500-WI-8700.2.1-.pdf)

### 3. SCOPE

All GSFC design organizations and associated contractors residing at the GSFC's Greenbelt campus shall adhere to the requirements of the Engineering Drawing Standards Manual (X-673-64-1F, September 1994) when preparing engineering documentation on GSFC format for in-scope flight hardware and associated Ground Support Equipment.

All Wallops Flight Facility (WFF) design organizations and contractors, with the exception of the Code 800 Get Away Special (GAS) and Student Experiment Module (SEM) Projects, shall adhere to the requirements of 500-WI-8700.2.1, Wallops Flight Facility (WFF) Engineering Drawing Standards, when preparing engineering documentation on GSFC format for in-scope flight hardware and associated Ground Support Equipment. Code 800 GAS and SEM Projects shall adhere to the requirements of the Engineering Drawing Standards Manual (X-673-64-1F, September 1994).

CHECK THE GSFC DIRECTIVES MANAGEMENT SYSTEM AT

<http://gdms.gsfc.nasa.gov/gdms> TO VERIFY THAT THIS IS THE CORRECT VERSION PRIOR TO USE.

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#### 4. AUTHORITIES AND RESPONSIBILITIES

The Mechanical Engineering Branch (Code 543), Mechanical Systems Center, has been delegated the responsibility for interpretation, periodic updates, and distribution of the **Engineering Drawing Standards Manual** (X-673-64-1F, September 1994).

The AETD/WFF (Code 500.W), has been delegated the responsibility for interpretation of the **WFF Engineering Drawing Standards Manual** (500-WI-8700.2.1).

#### 5. IMPLEMENTATION

- 5.1 All Greenbelt facility design organizations, WFF Code 800 GAS and SEM Projects, and associated contractors shall use the Engineering Drawing Standards Manual (GSFC X-673-64-1F, September 1994).

For a hard copy of this document contact:

Mechanical Engineering Branch  
Code 543  
Goddard Space Flight Center  
Greenbelt, MD 20771  
301-286-6003

- 5.2 All Wallops Facility design organizations and their contractors, with the exception of the GAS and SEM Projects, shall use the WFF Engineering Drawing Standards Manual (500-WI-8700.2.1).

For a hard copy of this document contact:

Applied Engineering and Technology Directorate / WFF  
Code 500.W  
Wallops Flight Facility  
Wallops Island, VA 23337  
757-824-2396

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### CHANGE HISTORY LOG

Revision	Effective Date	Description of Changes
Baseline	06/07/1999	Initial Release
A	06/27/2001	Changed drawing standards references for WFF from Wallops Engineering Drawing Standards Manual (November 1994) to WFF Engineering Drawing Standards Manual (500-WI-8700.2.1).  Under Section 3. Scope, added the words “in-scope” in two locations.  Updated format.